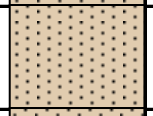
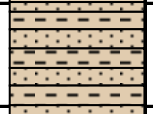
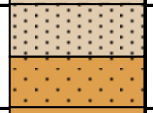
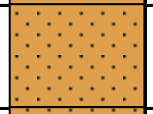
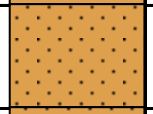
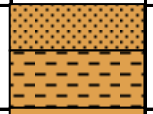
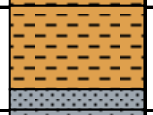
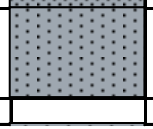
# Sample Description For Virginia Beach Geoprobe Site 62D 16

| Depth | Lithology | Recovery | Description |
|---|---|---|---|
| 0-4 |  | 100 | Brownish tan, slightly silty, med sand. Dry. |
| 4-8 |  | 100 | Same as above except with a few zones of rusty colored material. Appears to lose some of its silt component around 7 ft. The soil near the bottom is slightly moist. DM scarce in this material. |
| 8-12 |  | 90 | Same sand as above to 8.5 ft. 8.5-8.6 ft is dark brown, organic rich sand. 8.6 -12 ft: interbedded med sand and fine sandy silt. Interesting coloration over the bottom half of the sample. Brown silts, tan sands, and orangish-purple sandy silts. Lower 3 ft is damp, but still not saturated. |
| 12-16 |  | 85 | 12-14.7 ft: slightly silty med sand. There is now much free water in liner (saturation around 12-13 ft). 14.7-14.9 ft: transition to a v coarse qtz sand. 14.9-16 ft: orange, v fine to fine pebbly, v coarse sand. DM common. Colored grains uncommon. Iron oxide stains on the sand grains. Areas of this zone are bright orange-red. |
| 16-20 |  | 90+ | 16-16.4 ft: same v coarse sand as above. At 16.4 ft, the material fines to an upper coarse sand and at 17 ft, to a tan, moderately well sorted, subrounded to rounded, upper med to lower coarse qtz sand. DM common. 17-20 ft is the same med-coarse sand just described. There is much free water in the liner. The lower sands are turning orange due to leakage from the v coarse sand at the top of this interval. |
| 20-24 |  | 100 | Same as above (tan med-coarse sand). SC = 837 μS/cm. Water did not separate well, so SC may be somewhat in error. 1.5 drill flights of water. |
| 24-28 |  | 85+ | 24-26 ft: same as above. 26-27 ft: coarser grained bed containing bright orange grains. 27-28 ft: upper material grades down to this orangish-tan, rounded, med qtz sand. DM uncommon. The bed divisions are somewhat jumbled because we had to vigorously hammer the liner out of the sample barrel. |
| 28-30 | | | |
| 30-34 |  | 100 | Orangish-tan fine sand at top. DM abundant. Mica uncommon. Bright pinkish-orange grains common. Grading throughout entire sample to a v silty, v fine to fine sand. The material is bright orange in color and has 1-2 mm diameter circles of gray material running vertically through it. |
| 34-38 |  | 100 | 34-37.5 ft: Same silty v fine to fine sand as above interfingered with brighter orange, less silty, sandier lenses. At 37.5 ft the color becomes uniformly gray. 37.5-38 ft: v fine to fine sandy silt. It is more plastic than the overlying material. Large mica flecks are very common and mica in general is abundant. |
| 38-42 |  | 100 | Upper portion of liner is a gray, slightly silty, upper fine to lower med sand. Sub-cm siltier lenses are commonly interfingered. Mica is common. DM scarce. Lower material is less slity and more uniformly fine grained. Mica and DM are uncommon. There is water in the liner, but none flows out - moderate to good porosity, low permeability. |
| 42-46 |  | 100 | Same as above. Interfingers of gray, v fine to fine sandy silt to slightly silty v fine to fine sand. There is fluid in the liner, but none flows out. |
| 46-49.5 |  | 100+ | Gray, upper fine qtz sand. Mica and DM common. Much water, but low permeability. SC = 448 μS/cm. Material is v slightly silty. |
| 50-51 | | | |

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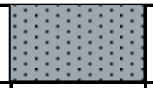
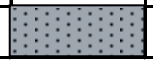
|---|---|---|---|
| 51-54 |  | 100+ | Gray, lower med qtz sand. Mica and DM uncommon. V slightly silty. Much water, low permeability |
| 54-60 | | | Driller Note: Stopped dead at 60 ft. |
| 60-61 |  | 100 | Gray, clean, subrounded to rounded, lower med qtz sand. DM and mica common. Black silty sand pulled from shoe, but unfortunately we couldn't penetrate any further. |